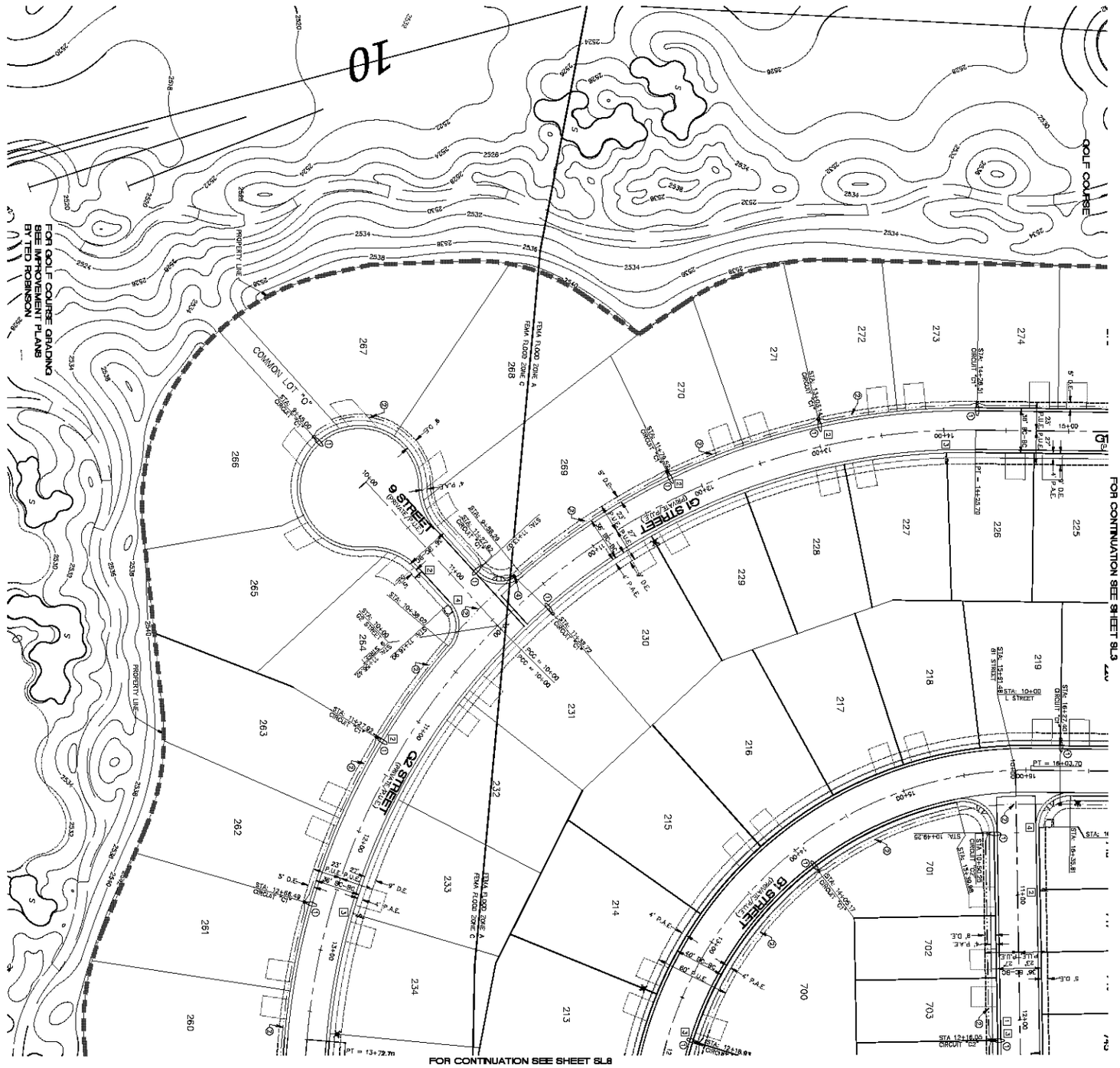


NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT "C"

LOCATION: SOUTHEAST DITRANOE
SERVICE PEDESTAL CAPACITY = 125 AMPS
CIRCUIT BREAKER MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT
42 EA – 100 WATT @ 1.0 AMPS EACH = 42.0 AMPS
TOTAL PROPOSED LOAD = 42.0 AMPS
EXISTING PLUS PROPOSED LOAD = 42.0 AMPS
REMAINING AVAILABLE LOAD = 6.0 AMPS

STREETLIGHT CIRCUIT "C2" CAPACITY VERIFICATION

LOCATION: SOUTHEAST DITRANOE
SERVICE PEDESTAL CAPACITY = 125 AMPS
CIRCUIT BREAKER MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT
0 EA – 100 WATT @ 1.0 AMPS EACH = 0.0 AMPS
TOTAL PROPOSED LOAD = 26.0 AMPS
EXISTING PLUS PROPOSED LOAD = 26.0 AMPS
REMAINING AVAILABLE LOAD = 22.0 AMPS

NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT "D"

STREETLIGHT CIRCUIT "D2" CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC
SERVICE PEDESTAL CAPACITY = 125 AMPS
CIRCUIT BREAKER MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT
39 EA – 100 WATT @ 1.0 AMPS EACH = 39.0 AMPS
TOTAL PROPOSED LOAD = 39.0 AMPS
EXISTING PLUS PROPOSED LOAD = 39.0 AMPS
REMAINING AVAILABLE LOAD = 9.0 AMPS

STREETLIGHT CIRCUIT "D3" CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC
SERVICE PEDESTAL CAPACITY = 125 AMPS
CIRCUIT BREAKER MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT
48 EA – 100 WATT @ 1.0 AMPS EACH = 48.0 AMPS
TOTAL PROPOSED LOAD = 48.0 AMPS
EXISTING PLUS PROPOSED LOAD = 48.0 AMPS
REMAINING AVAILABLE LOAD = 0.0 AMPS

LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 301 ON SHT DTS
3. INSTALL 12S AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHT DTS
4. INSTALL PULL BOX PER DET. NOS. 326 & 328 ON SHT DTS

TRAFFIC CONSTRUCTION NOTES

1. INSTALL W14-2 " NO OUTLET"
2. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
3. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
4. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 9" D3 "STREET NAME SIGNS"
5. REMOVE EXISTING BARRICADE

NOTES:
1. ALL NOTES USED ON THIS SHEET ARE NOT NECESSARILY USED ON THIS PROJECT.
2. ALL SIGNAGE SHALL BE PER THE LATEST MUTCD MANUAL

BASIS OF BEARINGS

NORTH 00°13'36" EAST – THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, G&SRB&M, AS SHOWN ON RECORD OF SURVEY FOR ARIZONA CORPORATE SYSTEM OF 1983 (ACRS-HPGN) WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS–OPUS.

M.C.S.D. "50 37" – LATITUDE 35°09'22.70034"N, LONGITUDE 114°34'21.57240"W (NAD 83) HEIGHT 3382.463911ft (NAVD 88)

STONE 1/4 COR 3/2 = LATITUDE 35°09'05.53328"N, LONGITUDE 114°34'21.55283"W (NAD 83) HEIGHT 2488.20496ft (NAVD88)

BENCHMARK

BRASS CAP 3" M.C.S.D. 50 37
ELEVATION= 3382.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA, SET IN CONC, 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 33, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "50 34 1999 RLS 10343"

DISCLAIMER NOTE

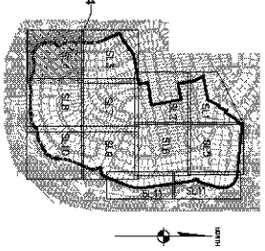
THE INFORMATION SHOWN ON THIS PLAN IS HEREON FOR INFORMATIONAL PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Arizona Blue Stake, Inc. Call before you Dig 1-800-782-5348 (1-800-STAKE-IT)
Nevada One Call Call before you Dig 1-800-227-2600
Underground Service Alert Call before you Excavate 1-800-227-2600
Overhead 1-928-753-5391

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 04/12/06

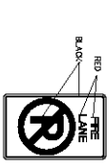
KEYMAP

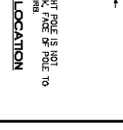
N.T.S.



LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- 10D, 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS
- PROPOSED BARRICADE

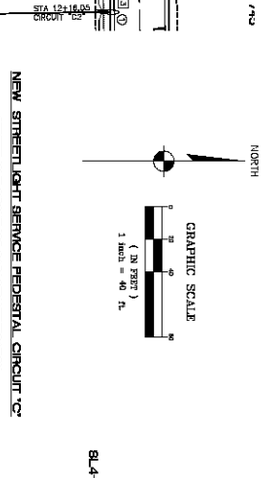




NOTE:
IN LOCATIONS WHERE LIGHT POLE IS NOT ADJACENT TO A SIDEWALK, FACE OF POLE TO BE 3' FROM BACK OF CURB

STREETLIGHT LOCATION

N.T.S.



RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

AREA 2 PHASE B
STREET LIGHT AND TRAFFIC CONTROL PLAN 4

MOHAVE COUNTY ARIZONA

SHEET SL4
36 OF 79 SHEETS
SCI PROJECT# 18178.24.22

Stanley Consultants INC.
5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-5366 Fax (702) 369-9793
www.stanleygroup.com

SCALE (H) 1"=40'	
SCALE (V) N/A	
DRAWN BY GA	
CHECKED BY SH/DB	
DATE 04-12-06	

REV. NO.	DESCRIPTION	DRAWN BY	APPROVAL	DATE

Registered Professional Engineer STEVEN A. HARDEL 18178 Expires 12-31-07 STATE OF ARIZONA